

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	49	(US-4588127-\$ or US-5419246-\$ or US-4493593-\$ or US-4780075-\$ or US-4898472-\$ or US-5232876-\$ or US-5332696-\$ or US-5480346-\$ or US-5635434-\$ or US-5788772-\$ or US-5915887-\$ or US-6217803-\$ or US-4261775-\$ or US-4280419-\$ or US-4353667-\$ or US-4378967-\$ or US-4406795-\$ or US-4438706-\$ or US-4465376-\$ or US-4489479-\$ or US-4509434-\$ or US-4539111-\$ or US-4570861-\$ or US-4581299-\$ or US-4585384-\$ or US-4597581-\$).did. or (US-4814098-\$ or US-4893966-\$ or US-4983355-\$ or US-4987643-\$ or US-5016782-\$ or US-5211725-\$ or US-5259880-\$ or US-5289749-\$ or US-5318006-\$ or US-5415490-\$ or US-5635433-\$ or US-5661948-\$ or US-5727687-\$ or US-5765740-\$ or US-5768334-\$ or US-5829122-\$ or US-5863155-\$ or US-5882189-\$ or US-5948570-\$ or US-5953583-\$ or US-6033801-\$ or US-	USPAT	OR	ON	2010/02/11 13:09

		6054187-\$ or US-6095323-\$).did.				
S2	174	((NORI YUKI) near2 (SUZUKI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/11 13:09
S4	8	S2 and press and detector	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/11 13:11
S5	8	((AKIHIRO) near2 (UENISHI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/11 13:14
S6	15	((YUKIHISA) near2 (KURIYAMA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/11 13:16
S7	9	((TOSHIYUKI) near2 (NIWA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/11 13:16
S8	3	((TAKUYA) near2 (KUWAYAMA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/11 13:17
S9	2	((MITSU HARU) near2 (YAMAGATA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/11 13:17
S10	3	("4592220"   "5419169"   "5692405").PN.	USPAT; USOCR	OR	OFF	2010/02/11 13:19
S11	13	72/16.1.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/12 09:33
S12	36	72/19.6.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/12 09:33
S13	535	72/236.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/12 09:33
S14	65	("bar code reader" or "IC tag reader" or "flexible disc reader" or "photomagnetic disc reader") and ((detector or sensor) near3 temperature) and (computer near4 temperature) and (controller near4 temperature) and (pressing or press-forming) and (mold or die)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/12 10:50

S19	1	(material near4 input) and ((detector or sensor) near3 temperature) and (computer near4 temperature) and (controller near4 temperature) and (pressing or press-forming) and (mold or die) and metal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/12 11:30
S20	9	(material near4 input) and ((detector or sensor) with temperature) and (computer with temperature) and (controller with temperature) and (pressing or press-forming) and (mold or die)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/12 11:31
S22	12	(material near4 input) and ((detector or sensor) with temperature) and (computer with temperature) and (controller with temperature) and (pressing or press-forming)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/12 11:40
S24	1135	(temperature with ((detector or sensor) and computer and (controller or control) and (input or device))) and (pressing or press-forming)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/12 11:53
S25	149	(temperature with ((detector or sensor) and computer and (controller or control) and (input or device) and (mold or die))) and (pressing or press-forming)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/12 11:53

S26	11684	rolling and temperature and (sensor or detector) and (control or controller) and computer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/12 11:56
S27	2267	rolling and temperature and (sensor or detector) and (control or controller) and computer and (pressing or press-forming)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/12 11:56
S28	702	rolling and (temperature with (material or workpiece)) and (sensor or detector) and (control or controller) and computer and (pressing or press-forming)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/12 11:57
S30	88	rolling and (temperature with (material or workpiece)) and (sensor or detector) and (control or controller) and computer and (pressing or press-forming) and (temperature with (mold or die))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/12 11:58
S31	135	((temperature with ((detector or sensor) and computer and (controller or control) and (input or device) and (mold or die) and (material or workpiece)))) and (pressing or press-forming)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/12 16:10

S32	148	(temperature with ((detector or sensor) and computer and (controller or control) and (mold or die) and (material or workpiece))) and (pressing or press-forming)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/12 16:35
S33	1	"state variable detector" and (temperature with ((detector or sensor) and computer and (controller or control) and (mold or die) and (material or workpiece))) and (pressing or press-forming)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/12 16:35
S34	2	"state variable detector" and temperature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/12 16:36
S35	25	(temperature with ((detector or sensor) and computer and (controller or control) and (mold or die) and (material or workpiece))) and (pressing or press-forming) and ((compare or comparing or comparison) with temperature)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/12 16:37
S36	5	"influence function matrix"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/30 19:34
S39	329110	(measur\$4) and (compar\$4) and matrix and control\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/30 19:48

S40	39	((measur\$4 with (punch or temperature)) same stor\$4) and (compar \$4) and (matrix same moment) and (control \$4 with (speed or temperature or force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/30 19:50
S41	1	("5724843").FN.	USPAT; USOCR	OR	OFF	2010/07/30 19:57
S42	12	(function near2 matrix) same (moment with (speed or force or temperature))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/01 16:34
S43	16	("2987704").URFN.	USPAT	OR	ON	2010/08/01 17:31
S44	25	(influence near2 function near2 matrix)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/01 17:51
S45	10	("128451"   "3338373"   "5285700"   "5734843"   "5864482"   "6246499"   "7257460"   "7265957"   "7266100"   "7398129").FN.	USPAT; USOCR	OR	OFF	2010/08/01 17:55
S46	2	(influence near2 function near2 matrix) same temperature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/01 18:07
S47	1	2001-594276.NRAN.	DERWENT	OR	ON	2010/08/01 18:11
S48	339	(influence with function with matrix)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/01 18:12

S49	16	(influence with function with matrix) same temperature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/01 18:12
S50	17	(influence with function with matrix) same metal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/01 18:12
S51	4	(influence near2 matrix) same (moment with (speed or force or temperature))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/01 18:21
S52	1823	(influence near2 matrix)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/01 18:23
S54	179	(influence near2 matrix) same temperature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/01 18:23
S55	110	(influence near2 matrix) same temperature and metal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/01 18:23
S56	32	((influence near2 matrix) same temperature) and metal and (press or punch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/01 18:23
S57	54	(influence near2 matrix) same correction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/01 19:01

S58	112	(influence near2 matrix) same correct \$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/01 19:07
S59	208	(influence with matrix) same correction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/01 19:13
S60	3	((influence with matrix) same correction) same temperature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/01 19:13
S61	30	((influence with matrix) same correction) same speed	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/01 19:13
S62	339	(influence with function with matrices)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/01 19:17
S63	323	(function near2 matrix) same correction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/01 19:32
S64	1660	700/28.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/13 09:30
S65	1581	700/29.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/13 09:31

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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L1	1	("influence function matrix").clm.	US-PGPUB; USPAT; UPAD	OR	ON	2011/06/05 11:16
L2	41	(control\$4 with (influence with matrix)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2011/06/05 11:16
L3	79	((detector or sensor) and computer and (controller with matrix)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2011/06/05 11:16
S67	1	("influence function matrix").clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/12/13 14:04
S69	41	(control\$4 with (influence with matrix)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/12/13 14:11
S70	80	((detector or sensor) and computer and (controller with matrix)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/12/13 14:49

6/5/2011 11:19:23 AM

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